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TI Improved process for producing N-methylpyrrolidone and 2-pyrrolidone

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AB N-methylpyrrolidone (I) and 2-pyrrolidone are prepd. in high yields by  
condensation of .gamma.-butyrolactone (II) with MeNH<sub>2</sub> and NH<sub>3</sub>, resp., at  
220-290.degree. and .gtoreq.6 MPa. A mixt. of 1:1.4:5.6 II/30% MeNH<sub>2</sub>/H<sub>2</sub>O  
was heated at 280.degree./6 MPa to give 97% I of 99.5% purity with 100%  
conversion, vs. 91% yield with a ref. process.

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DT Patent

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